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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/714,277	11/17/2000	Takayuki Suzuki	862.C2055	5519

5514 7590 01/21/2004

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EXAMINER

COUSO, JOSE L

ART UNIT PAPER NUMBER

2621

DATE MAILED: 01/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/714,277

Applicant(s)

SUZUKI, TAKAYUKI

Examiner

Jose L. Couso

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 November 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Alcorn (U.S. Patent No. 5,870,509).

With regard to claims 1, 10 and 19, Alcorn describes an input unit, arranged to input a rendering command (see for example figure 4A, element 15 and refer for example to column 6, lines 58-61); a discriminator, arranged to discriminate a type of object to be rendered on the basis of the rendering command (see for example figure 4A, elements 32a-c and refer for example to column 7, line 66 through column 8, line 7); a judgment unit, arranged to judge based on the discrimination result if the object is to undergo a correction process (see for example figure 4A, elements 32a-c and refer for example to column 8, lines 9-23); and a search unit, arranged to search for segmented objects obtained by breaking up a single image together with the object which is determined to undergo the correction process (see for example figure 4A, elements 32a-c and refer for example to column 1, lines 16-24, column 8, lines 24-29 and column 16, lines 8-28). Column 1, lines 16-24 describes that the graphic primitives represent views of objects and column 16, lines 8-28 describes respective segments that represent the primitive and the corresponding object .

As to claims 2, 11 and 20, Alcorn describes a decision unit, arranged to decide a correction characteristic of the correction process on the basis of characteristics of segmented objects when the segmented objects are found (refer for example to column 9, lines 46-62 and column 12, lines 50-57). Alcorn describes various elements which decide characteristics of segmented objects as (illustrated in figure 8), these characteristics are then used as parameters values to carry out the gradient and perspective correction.

In regard to claims 3 and 12, Alcorn describes a correction unit, arranged to execute an identical correction process for a plurality of segmented objects that form the single image on the basis of the correction characteristic (refer for example to column 16, lines 29-45).

With regard to claims 4 and 13, Alcorn describes wherein the search unit searches for the segmented objects on the basis of a rendering position of the object indicated by the rendering command (refer for example to column 7, lines 51-65).

As to claims 5 and 14, Alcorn describes wherein the search unit has a memory for recording identification information indicating the presence of candidates of the segmented objects in correspondence with a rendering region of the object and neighboring regions thereof (see for example figure 4B, element 48).

In regard to claims 6 and 15, Alcorn describes wherein the search unit determines that the segmented object is present when the identification information which neighbors or overlaps the rendering region of the object indicated by the

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rendering command to be processed is present (refer for example to column 9, lines 21-32).

With regard to claims 7 and 16, Alcorn describes wherein the search unit selects whether to record the identification information or not on the basis of a height or width of the segmented object and the number of objects within a page (refer for example to column 7, lines 51-65).

As to claims 8 and 17, Alcorn describes wherein the decision unit comprises an extractor, arranged to extract a color or luminance distribution of the object which is determined to undergo the correction process (the texture mapping mechanism, i.e. element 46 shown in figure 6 extracts the color or luminance distribution of the object which is determined to undergo the correction process as described in column 9, lines 29-30).

In regard to claims 9 and 18, Alcorn describes wherein the decision unit decides the correction characteristic by combining pieces of the color or luminance distribution of information extracted from a plurality of segmented objects that form the single image (refer for example to column 16, lines 18-45).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

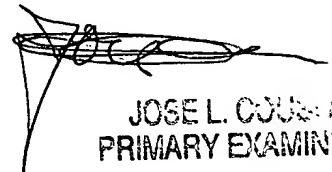
Gusakov, Motamed et al., Gannett, Larson et al., Quaknine et al., Nakagiri and Smirnov et al. all disclose systems similar to applicant's claimed invention.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jose L. Couso whose telephone number is (703) 305-4774. The examiner can normally be reached on Monday through Friday from 6:30 to 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Boudreau, can be reached on (703) 305-4706. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-8576.



JOSE L. COUSO
PRIMARY EXAMINER

Jlc
December 15, 2003